

## ABSTRACT OF THE DISCLOSURE

A transmission apparatus of a mobile communication terminal is implemented so that a modem, a gain controller and a power controlling circuit have one loop construction. In the transmission apparatus, an AGC signal of a  
5 modem is precisely adjusted according to an internal temperature of the terminal, and the adjusted AGC signal is applied to gain control in real time, so that a consumption amount of battery due to a loss of a current can be remarkably reduced.